

County: Geary Fraction: SE SE NW SW Sec. 28 T. 11 S R. 6 E

**CORRECTION(S) to WATER WELL COMPLETION RECORD Form WWC-5 (to rectify lacking or incorrect information)**

Owner: Fort Riley (David Jones) 354-19-33

If location corrected, was listed as:

Section-Township-Range: none listed

Fraction (1/4 calls): none listed

Location changed to:

28-11-6E

SE SE NW SW

Other changes: Initial statements: \_\_\_\_\_

Changed to: \_\_\_\_\_

Comments: \_\_\_\_\_

Verification method: Correct S-T-R and fractions found by entering Latitude and Longitude in LEOWEB.

Matched location with site map on the KGS mapper

Initials: SH Date: 01-27-2021

Submitted by:  Kansas Geological Survey, Data Resources Library, 1930 Constant Ave., Lawrence, KS 66047-3724  
 Kansas Dept. of Health & Environment, Bureau of Water, 1000 SW Jackson, Suite 420, Topeka, KS 66612-1367

WATER WELL RECORD Form WWC-5

Original Record Correction Change in Well Use

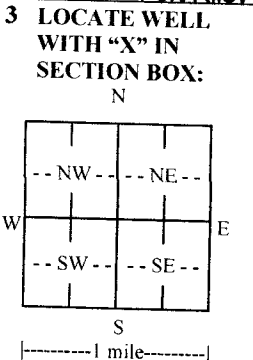
Division of Water Resources App. No.

Well ID

354-19-33

1 LOCATION OF WATER WELL: County: Geary Fraction Section Number Township Number Range Number

2 WELL OWNER: Last Name: Jones First: David Business: Fort Riley Address: Sheridan Hall Building 407 Pershing Court City: Fort Riley State: KS ZIP: 66442 Street or Rural Address where well is located: Fort Riley Building #354 Fort Riley, KS 66442



3 LOCATE WELL WITH 'X' IN SECTION BOX: N W E S 4 DEPTH OF COMPLETED WELL: 32.5 ft. Depth(s) Groundwater Encountered: 1) 27.0 ft. 2) N/A ft. 3) N/A ft. or 4) Dry Well WELL'S STATIC WATER LEVEL: 27.45 ft. below land surface, measured on (mo-day-yr) 12-10-19 above land surface, measured on (mo-day-yr) Pump test data: Well water was N/A ft. after N/A hours pumping N/A gpm Well water was N/A ft. after N/A hours pumping N/A gpm Estimated Yield: N/A gpm Bore Hole Diameter: 8.25 in. to 32.5 ft. and N/A in. to N/A ft.

5 Latitude: 39.0630959 (decimal degrees) Longitude: -96.7760336 (decimal degrees) Horizontal Datum: WGS 84 NAD 83 NAD 27 Source for Latitude/Longitude: GPS (unit make/model: (WAAS enabled? Yes No) Land Survey Topographic Map Online Mapper: 6 Elevation: 1089.81 ft. Ground Level TOC Source: Land Survey GPS Topographic Map Other

7 WELL WATER TO BE USED AS: 1. Domestic: Household Lawn & Garden Livestock Irrigation Feedlot Industrial 2. Public Water Supply: well ID 3. Dewatering: how many wells? 4. Aquifer Recharge: well ID 5. Monitoring: well ID 354-19-33 6. Environmental Remediation: well ID Air Sparge Soil Vapor Extraction Recovery Injection 7. Oil Field Water Supply: lease 8. Test Hole: well ID Cased Uncased Geotechnical 9. Geothermal: how many bores? a) Closed Loop Horizontal Vertical b) Open Loop Surface Discharge Inj. of Water 10. Other (specify):

Was a chemical/bacteriological sample submitted to KDHE? Yes No If yes, date sample was submitted: Water well disinfected? Yes No

8 TYPE OF CASING USED: Steel PVC Other CASING JOINTS: Glued Clamped Welded Threaded Casing diameter 2 in. to 22.5 ft., Diameter N/A in. to N/A ft., Diameter N/A in. to N/A ft. Casing height above land surface 0 in. Weight N/A lbs./ft. Wall thickness or gauge No. Sch. 40

TYPE OF SCREEN OR PERFORATION MATERIAL: Steel Stainless Steel Fiberglass PVC Brass Galvanized Steel Concrete tile None used (open hole) Other (Specify)

SCREEN OR PERFORATION OPENINGS ARE: Continuous Slot Mill Slot Gauze Wrapped Torch Cut Drilled Holes Other (Specify) Louvered Shutter Key Punched Wire Wrapped Saw Cut None (Open Hole)

SCREEN-PERFORATED INTERVALS: From 22.5 ft. to 32.5 ft., From N/A ft. to N/A ft., From N/A ft. to N/A ft. GRAVEL PACK INTERVALS: From 18.5 ft. to 32.5 ft., From N/A ft. to N/A ft., From N/A ft. to N/A ft.

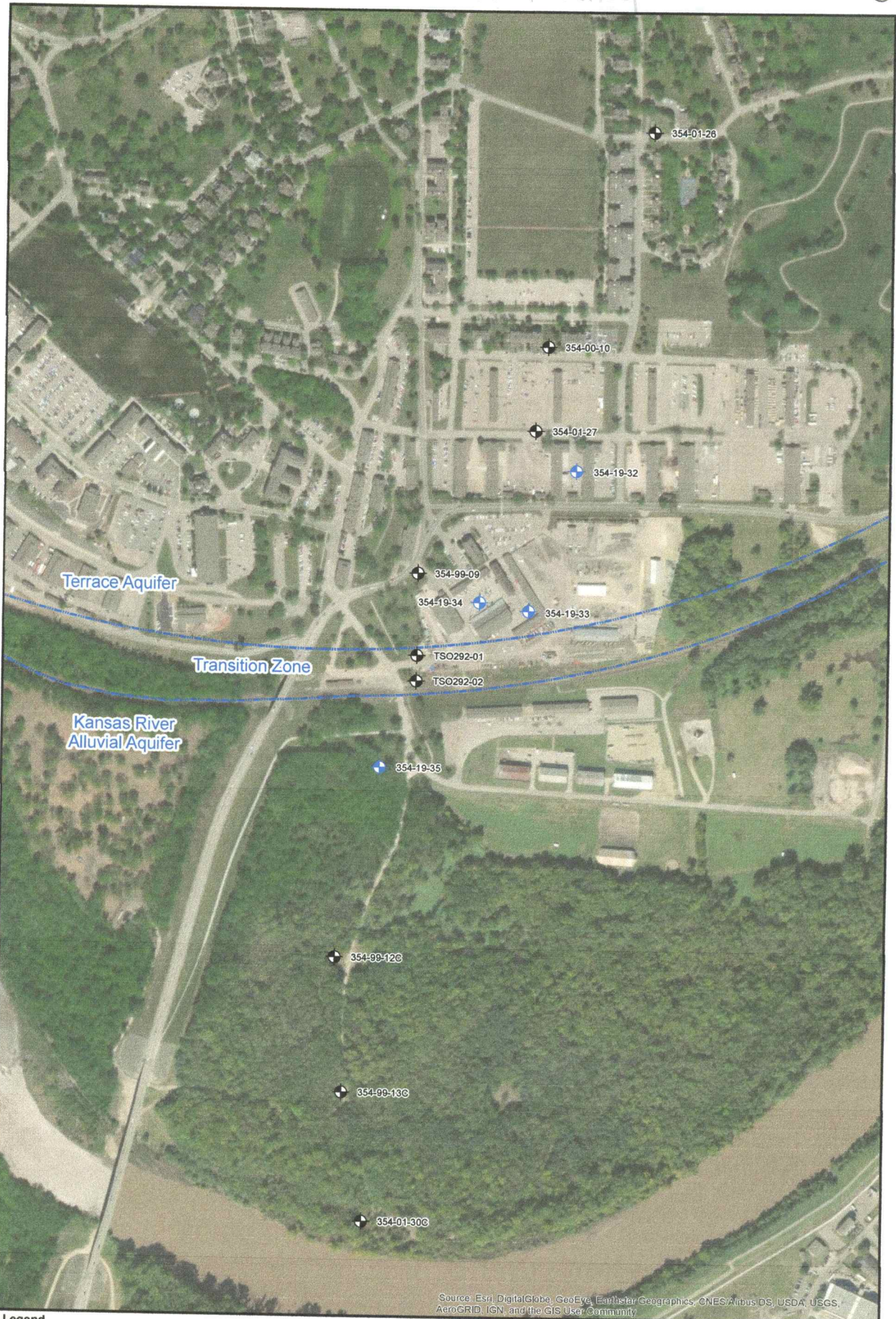
9 GROUT MATERIAL: Neat cement Cement grout Bentonite Other Concrete 0-2 feet Grout Intervals: From 2 ft. to 18.5 ft., From N/A ft. to N/A ft., From N/A ft. to N/A ft. Nearest source of possible contamination: Septic Tank Lateral Lines Pit Privy Livestock Pens Insecticide Storage Sewer Lines Cess Pool Sewage Lagoon Fuel Storage Abandoned Water Well Watertight Sewer Lines Seepage Pit Feedyard Fertilizer Storage Oil Well/Gas Well Other (Specify) Solvent storage at former Building 354 Direction from well? Northeast Distance from well? 400 ft.

Table with columns: 10 FROM TO LITHOLOGIC LOG FROM TO LITHO. LOG (cont.) or PLUGGING INTERVALS. Includes a 'Notes' section.

11 CONTRACTOR'S OR LANDOWNER'S CERTIFICATION: This water well was constructed, reconstructed, or plugged under my jurisdiction and was completed on (mo-day-year) 12/10/2019 and this record is true to the best of my knowledge and belief. Kansas Water Well Contractor's License No. 759 This Water Well Record was completed on (mo-day-year) 1/8/2020 under the business name of RAZEK Environmental, LLC Signature: [Signature]







very

Fort Riley 28-11-6E



Path: Z:\Client\ENR\061117\308\_BLDG54\Bldg54\Geospatial\Doc\Figures\17-1\_354 Solvent Detection Area Well Location Map\_UFP\_QAPP.mxd  
 COPYRIGHT © 2014 BURNS & MCDONNELL ENGINEERING COMPANY, INC.  
 Issued: July, 12 2019

Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

|   |  |  |
|---|--|--|
| <p><b>Legend</b></p> <ul style="list-style-type: none"> <li> Proposed Monitoring Well</li> <li> Existing Monitoring Well</li> <li> Aquifer Boundary</li> </ul> <div style="text-align: center;"> <br/> <br/>       Feet     </div> |  | <p><b>FIGURE 17-1</b><br/> <b>PROPOSED AND EXISTING</b><br/> <b>MONITORING WELL LOCATION MAP</b><br/> <b>354 AREA SOLVENT DETECTIONS</b><br/> <b>UFP-QAPP</b><br/> <b>FORT RILEY, KANSAS</b></p> |
|---|--|--|

Geary

Fort Riley

# HTW DRILLING LOG

HOLE NO.  
354-19-33  
SHEET 1  
OF 5 SHEETS

|   |                         |  |   |  |
|---|-------------------------|--|---|--|
| 1. COMPANY NAME<br><b>Burns + McDonnell</b>                 |                         | 2. DRILLING SUBCONTRACTOR<br><b>TRZEK</b>                    |   |  |
| 3. PROJECT<br><b>354 Area Solvent Detections</b>            |                         | 4. LOCATION<br><b>354 Area Fort Riley</b>                    |   |  |
| 5. NAME OF DRILLER<br><b>Tony Poulter</b>                   |                         | 6. MANUFACTURER'S DESIGNATION OF DRILL<br><b>Geoprobe</b>    |   |  |
| 7. SIZES AND TYPES OF DRILLING AND SAMPLING EQUIPMENT       | 2" DPT Macrocure        |  | 8. HOLE LOCATION                            |  |
|   | 8.25" HSA               |  | 9. SURFACE ELEVATION                        |  |
|   |                         |  | 10. DATE STARTED<br><b>12/16/19</b>         |  |
|   |                         |  | 11. DATE COMPLETED<br><b>12/10/19</b>       |  |
| 12. OVERBURDEN THICKNESS<br><b>32.5'</b>                    |                         | 15. DEPTH GROUNDWATER ENCOUNTERED<br><b>30.5'</b>            |   |  |
| 13. DEPTH DRILLED INTO ROCK<br><b>NA</b>                    |                         | 16. DEPTH TO WATER AND ELAPSED TIME AFTER DRILLING COMPLETED |   |  |
| 14. TOTAL DEPTH OF HOLE<br><b>32.5'</b>                     |                         | 17. OTHER WATER LEVEL MEASUREMENTS (SPECIFY)<br><b>NA</b>    |   |  |
| 18. GEOTECHNICAL SAMPLES<br><b>NA</b>                       | DISTURBED<br><b>NA</b>  | UNDISTURBED<br><b>NA</b>                                     | 19. TOTAL NUMBER OF CORE BOXES<br><b>NA</b> |  |
| 20. SAMPLES FOR CHEMICAL ANALYSIS<br><b>NA</b>              | VOC<br><b>NA</b>        | METALS<br><b>NA</b>  | OTHER (SPECIFY)<br><b>NA</b>                | OTHER (SPECIFY)<br><b>NA</b>   |
|   |                         |  |   | OTHER (SPECIFY)<br><b>NA</b>   |
| 22. DISPOSITION OF HOLE<br><b>Monitoring well installed</b> | BACKFILLED<br><b>NA</b> | MONITORING WELL<br><b>Flush</b>                              | OTHER (SPECIFY)<br><b>NA</b>                | 23. SIGNATURE OF INSPECTOR<br><b>DAY BAKER</b><br><i>[Signature]</i> |
|   |                         |  |   |  |

| ELEV. a | DEPTH b | DESCRIPTION OF MATERIALS c  | FIELD SCREENING RESULTS d PED | GEOTECH SAMPLE OR CORE BOX NO. e | ANALYTICAL SAMPLE NO. f | BLOW COUNTS RECOV. g | REMARKS h           |
|---------|---------|---|-------------------------------|----------------------------------|-------------------------|----------------------|---------------------|
|         |         | Asphalt + fill material   |                               |                                  |                         |                      | Start Drilling 1300 |
|         | 1       | silt w/trace clay, black 10yr (1/1), trace plasticity, soft, damp, organic material, OL | 0.0                           |                                  |                         |                      |                     |
|         | 2       | becomes lighter color w/some very fine sand dark yellowish-brown 10yr (3/16)            | 0.0                           |                                  |                         |                      |                     |
|         | 3       |   | 0.0                           |                                  |                         |                      |                     |
|         | 4       |   | 0.0                           |                                  |                         |                      |                     |
|         | 5       |   | 0.0                           |                                  |                         | 45/5                 | 1305                |

Beary

Fort Riley

# HTW DRILLING LOG

| HTW DRILLING LOG                       |            |  |                                 |  |                               |                     | HOLE NO.<br>354-19-33  |
|--|------------|--|---------------------------------|--|-------------------------------|---------------------|------------------------|
| PROJECT<br>354 Area Solvent Detections |            |  |                                 | INSPECTOR<br>D. B. C.                  |                               |                     | SHEET 2<br>OF 5 SHEETS |
| ELEV.<br>a                             | DEPTH<br>b | DESCRIPTION OF MATERIALS<br>c  | FIELD SCREENING<br>RESULTS<br>d | GEOTECH SAMPLE<br>OR CORE BOX NO.<br>e | ANALYTICAL<br>SAMPLE NO.<br>f | BLOW<br>COUNTS<br>g | REMARKS<br>h           |
|  | 5          |  | 0.0                             |  |                               |                     | 1306                   |
|  | 6          |  | 0.0                             |  |                               |                     |                        |
|  | 7          |  | 0.0                             |  |                               |                     |                        |
|  | 8          |  | 0.0                             |  |                               |                     |                        |
|  | 9          |  | 0.0                             |  |                               |                     |                        |
|  | 10         |  | 0.0                             |  |                               | 9/5                 | 1310                   |
|  | 11         | Sand, Fine to medium grain, light yellowish brown color (10/14), loose, damp, soft, non plastic, poorly graded SP. | 0.0                             |  |                               |                     | 1311                   |
|  | 12         |  | 0.0                             |  |                               |                     |                        |
|  | 13         |  | 0.0                             |  |                               |                     |                        |
|  | 14         |  | 0.0                             |  |                               |                     |                        |

nearby

port key

# HTW DRILLING LOG

HOLE NO.  
354-19-33

PROJECT  
354 Area Solvent Detections

INSPECTOR  
Dy BCL

SHEET 3  
OF 5 SHEETS

| ELEV.<br>a | DEPTH<br>b | DESCRIPTION OF MATERIALS<br>c | FIELD SCREENING<br>RESULTS<br>d <i>RED</i> | GEOTECH SAMPLE<br>OR CORE BOX NO.<br>e | ANALYTICAL<br>SAMPLE NO.<br>f | BLOW<br>COUNTS<br><i>Refou.</i> | REMARKS<br>h |
|------------|------------|-------------------------------|--|--|-------------------------------|---------------------------------|--------------|
|            | 14         |                               | 0.0  |  |                               |                                 |              |
|            | 15         |                               | 0.0  |  |                               | 4/5                             | 1317<br>1318 |
|            | 16         |                               | 0.0  |  |                               |                                 |              |
|            | 17         |                               | 0.0  |  |                               |                                 |              |
|            | 18         |                               | 0.0  |  |                               |                                 |              |
|            | 19         |                               | 0.0  |  |                               |                                 |              |
|            | 20         |                               | 0.0  |  |                               | 4/5                             | 1324<br>1325 |
|            | 21         |                               | 0.0  |  |                               |                                 |              |
|            | 22         |                               | 0.0  |  |                               |                                 |              |
|            |            | Trace silt                    |  |  |                               |                                 |              |
|            | 23         |                               | 0.0  |  |                               |                                 |              |

Very

for River

# HTW DRILLING LOG

HOLE NO.  
354-19-33

PROJECT  
354 Area Solvent Detectors

INSPECTOR  
D. B. C.

SHEET 4  
OF 5 SHEETS

| ELEV.<br>a | DEPTH<br>b | DESCRIPTION OF MATERIALS<br>c  | FIELD SCREENING<br>RESULTS<br>d | GEOTECH SAMPLE<br>OR CORE BOX NO.<br>e | ANALYTICAL<br>SAMPLE NO.<br>f | BLOW<br>COUNTS<br>g | REMARKS<br>h |
|------------|------------|--|---------------------------------|--|-------------------------------|---------------------|--------------|
|            | 23         |  | 0.0                             |  |                               |                     |              |
|            | 24         | Silt w/ some clay, light yellowish brown 10% (L/14), trace plasticity, damp, medium stiffness, ML. | 0.0                             |  |                               |                     |              |
|            | 25         |  | 0.0                             |  |                               | 4/5                 | 1327<br>1328 |
|            | 26         |  | 0.0                             |  |                               |                     |              |
|            | 27         | Clay w/ some silt, grayish brown 10% (S/12), medium plasticity, medium density, damp, stiff, CL.   | 0.0                             |  |                               |                     |              |
|            | 28         |  | 0.0                             |  |                               |                     |              |
|            | 29         | Silt w/ very fine sand, light yellowish brown 10% (L/14), non plastic, damp, loose, soft, ML.      | 0.0                             |  |                               |                     |              |
|            | 30         | w/ trace clay, becomes moist<br><br>become wet   | 0.0                             |  |                               | 3/5                 | 1330<br>1331 |
|            | 31         | Sand, medium grain, light yellowish brown 10% (L/14), loose, soft, poorly graded, wet, SP.         | 0.0                             |  |                               |                     |              |
|            | 32         |  | 0.0                             |  |                               | 3/5                 |              |

# HTW DRILLING LOG

HOLE NO.  
354-19-33

PROJECT  
354 Area Solvent Detections

INSPECTOR  
Day B

SHEET 5  
OF 5 SHEETS

| ELEV.<br>a | DEPTH<br>b | DESCRIPTION OF MATERIALS<br>c | FIELD SCREENING RESULTS<br>d | GEOTECH SAMPLE OR CORE BOX NO.<br>e | ANALYTICAL SAMPLE NO.<br>f | BLOW COUNTS<br>g | REMARKS<br>h                  |
|------------|------------|-------------------------------|------------------------------|-------------------------------------|----------------------------|------------------|-------------------------------|
|            | 32         | Gravel & some sand            |                              |                                     |                            | 3/5              | Stop<br>1335<br>Refusal 32.5' |
|            | 33         | TD: 32.5' bgs                 |                              |                                     |                            |                  |                               |
|            | 34         |                               |                              |                                     |                            |                  |                               |
|            | 35         |                               |                              |                                     |                            |                  |                               |
|            | 36         |                               |                              |                                     |                            |                  |                               |